

Prop 1B Goods Movement Emission Reduction Program

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Sacramento Metropolitan Air Quality Management District, Central Valley

FY:2015-2016

Funding Category: Locomotives and Rail Yards

Application Status: Submitted

Sacramento Metropolitan Air Quality Management District

Sacramento Metropolitan Air Quality Management District
777 12th St, 3rd Floor
Sacramento CA 95814
Tel: 916-874-4800
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Fed Tax ID: 94-0824600
State Tax ID: 68-0382186
Governing Board: Yes
Agency Type: Air District
Agency Service Population: 2,200,000

Contact Information

Contact	Name	Phone	Email
Agency Director	Larry Greene	916-874-4802	lgreene@airquality.org
Chief Financial Officer	Mike Sinkevich	916-874-4823	msinkevich@airquality.org
Grant Program Manager	Tim Taylor	916-874-4814	ttaylor@airquality.org
Heavy Duty Diesel Trucks	Michael Neuenburg	916-874-1676	mneuenburg@airquality.org
Locomotives and Rail Yards	Michael Neuenburg	916-874-1676	mneuenburg@airquality.org
Ships at Berth & Cargo Handling Equipment	Michael Neuenburg	916-874-1676	mneuenburg@airquality.org
Commercial Harbor Craft	Michael Neuenburg	916-874-1676	mneuenburg@airquality.org
Transport Refrigeration Units	Michael Neuenburg	916-874-1676	mneuenburg@airquality.org

Locomotive and Rail Yard Project Details

Bond funding Requested for Funding Category

\$55,000,000

Number of Equipment Projects

28

Information used to estimate emission reductions

PM multiplier: 0.0088 lbs/\$

NOx multiplier: 0.14597 lbs/\$

For Locomotives operating in the South Coast Air Basin:

PM multiplier: 0.00252 lbs./\$

NOx multiplier: 0.06981 lbs./\$

Locomotive Equipment Upgrade:

- Tier 4 locomotives operational by 2015
- Each option is to take up a third of the locomotive projects
- Project life: 15-years
- Bond funding amount: \$1,900,000
- If operating in the South Coast Air Basin, the locomotive calculations use a Tier 2 baseline

Old switcher:

- Uncontrolled
- Annual fuel consumption of 20,000 gallons/year
- 100% California operation

Old medium horsepower line-haul:

- Tier 0
- Annual fuel consumption of 50,000 gallons
- 90% California Operation

Old Line-haul:

- Tier 0
- Annual fuel consumption of 120,000 gallons
- 90% California Operation

Data source: Emission Benefits (based on assumptions above)--Used calculator/ ARB emission factors for switchers & U.S.EPA Emission standards for line haul

Local Agency Comments

Provide additional comments or details. (optional)

ARB Review Details

Comments

Bond Funding	
Equipment Project Funds Requested (based on Project Details)	\$55,000,000
Maximum Administrative Funds \$	\$ 1,650,000
Administrative Funds Requested \$	\$1,650,000
Administrative Funds Requested (as a percentage)	3.00%
Total Program Funds Requested	\$56,650,000
Estimated Total Project Cost for Funding Category	\$110,000,000

Match Funding Summary Table

Funding Type	Fund Source	Amount	Available
Private	Equipment Owner	\$55,000,000	August 2015

Funding Summary

Total Match Funding	\$55,000,000
Total Project Funding	\$55,000,000

Local Agency Comments

Provide additional comments or details. (optional)

Emission Benefits	
Estimated PM Reductions	484,000 lbs
Estimated NOx Reductions	8,028,350 lbs
Sum of Weighted Emission Reductions	17,708,350 lbs
Total Program Bond Funding Requested	\$56,650,000
Benefits per State Dollar Invested	0.31 lbs/\$

Local Agency Comments

Provide additional comments or details. (optional)

Implementation Schedule	
Equipment Project Marketing/Outreach and Solicitation	6 weeks
Review of Equipment Project Applications	2 weeks
Competitive Ranking and Selection of Equipment Projects	1 week
Equipment Owner Notification Period	1 week
Equipment Project Pre-Inspection Period	1 month
Execution of Equipment Project Contracts	1 month
Equipment Project Post-Inspection	1 month

Local Agency Comments

Provide additional comments or details. (optional)

Goods Movement Emission Reduction Program Application

As stated in the notice of funding availability, local agency applications must be submitted electronically and in hard copy to be considered eligible for Proposition 1B: Goods Movement Emission Reduction Program Bond funds no later than 5:00 PM on **August 7, 2015**. Additionally, hard copy applications must also be received no later than this date. Modification or changes to application information after the application submittal deadline shall only be allowed on a case-by-case basis and at the discretion of ARB staff

Assistance

For assistance in filling out this local agency application, please:

- E-mail your questions to gmbond@arb.ca.gov . In the subject line, write "Local agency application question", and in the body of the e-mail identify the:
 - Complete local agency name;
 - Fiscal year(s) of funds for which you are applying;
 - Trade corridor and funding category identified; and
 - Your question.
- Call the Goods Movement Information Line at (916) 44-GOODS (444-6637) during normal business hours (8:00AM to 5:00PM).

Electronically Submitting Local Agency Application to ARB

Proposal narrative:

- Attach all required proposal narrative document(s) and your local agency board's/commission's resolution in the box below.

Attachment(s)

[Year 5 GMERP Locomotive Application.pdf](#)

Before electronically submitting your proposal narrative and the on-line data portion:

- Review your application for correctness and content prior to electronically submitting the application. Once these documents are electronically submitted, further changes cannot be made to the document.
- Press the Print Signature & Title Page button below to view/print a PDF of the signature page.
- Press the "Print Application" button below to print all information submitted in the project details , funding, emission benefits, and project schedule sections of this on-line database.
- You must first submit your application electronically to remove the "DRAFT" watermark from the title page for the finalized application that is to be printed and delivered to the Air Resources Board.

Please note: All attachment(s) must be printed individually.

Submittal of hard copy information

In addition to electronically submitting all application documents to the Prop. 1B Goods Movement Emission Reduction Program, the local agency shall also submit two (2) hard copies of the application including all necessary attachments such as approved resolutions and letters of authorization, with original signature by an authorized representative by 5:00 PM on **August 7, 2015**.

- Two hard copies of this application and all necessary attachments and approved resolutions with the appropriate signatures must be delivered to:

Goods Movement Emission Reduction Program:

Transportation and Toxics Division

California Air Resources Board

If Standard U.S. Mail: P.O. Box 2815, Sacramento, CA 95812

If Other Delivery Services: 1001 I Street, Sacramento, CA 95814